Lover Rep

State of Wisconsin Department of Natural Resources PO Box 7291, Madison WI 53707-7291 dnr.wi.gov

Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 8/14)

Page 1 of 2

Instructions: Bold fields must be completed.

Waterbody Name EAST RIVER Sample ID (YYYYMMDD-CY-FD) ZDF 10 16-05-08 Sample ID (YYYMMDD-CY-FD) ZDF 10 16-05-08 Database Key 149840897 SWIMS Station ID 053675 EAST RIVER - HWY G Latitude Longitude Longitude Latitude Longitude Lower - NAD83 Basin (WMU) LOWER FOX SWIMS SWDV GPS WGS84 or NAD83 Basin (WMU) LOWER FOX Sample ID (County BROWN Sample ID (County BROWN Sample ID (County BROWN Sample County BROWN Sample ID (County BROWN Sample ID (County BROWN SWDV GPS WGS84 or NAD83 County BROWN Sample ID (County
Sampling Location SWIMS Station ID 053675 SWIMS Station Name 053675 Latitude Longitude Loughand Project Name LoupPer EAST RIVER TWA 2017 Longitude LoupPer EAST RIVER TWA 2017 Longitude Longitude LoupPer EAST RIVER ToupPer Longitude Longitude LoupPer EAST RIVER Longitude Longitude Longitude Longitude LoupPer EAST RIVER Longitude Lon
SWIMS Station ID 053675 SWIMS Station Name EAST RIVER - HWY G Latitude Longitude SWIMS SWDV GPS W6S84 or NAD83 Basin (WMU) LOWER FOX EAST RIVER Lounty BROWN Sample and Site Descriptors Sample Collector (Last Name, First) ANDREW HUDAK Sampling Device D-Frame Kick Net D-Frame Kick Net Surber Sampler Eckman Ponar Artificial Substrate Hess Sampler Other: Habitat Sampled Riffle Run Pool Other Shoreline Composite Proportionally-Sampled Habitat Littoral Zone Total Sampling Time (min) Estimated Area Sampled (m²) Number of Samples in Composite Replicate No. Reason For Sampling Least Impacted Reference Baseline Trend Water Temp. (c) D.O. (mg/l) D.O. (%sat.) PH (su) Noderate Slow Moderate Fast
SWIMS Station ID 053675 SWIMS Station Name EAST RIVER - HWY G Latitude Longitude Loughand Swide Longitude Longitude
Datum Used if using GPS SWIMS SWDV GPS WG\$84 or NAD83
Latitude Longitude Lat/Long Determination Method (circle) SWIMS SWDV GPS WGS84 or NAD83 Basin (WMU) Watershed Name EAST RIVER County BROWN Sample and Site Descriptors Sample Collector (Last Name, First) Project Name UPPER EAST RIVER TWA 2017 ANDREW HUDAK UPPER EAST RIVER TWA 2017 Conductivity (umhos/cm) Conductivity (umhos/cm) Conductivity (umhos/cm) Conductivity (umhos/cm) Conductivity (umhos/cm) Conductivity (um/s) Conductivi
Basin (WMU) LOWER FOX Sample and Site Descriptors Sample Collector (Last Name, First) ANDREW HUDAK Sampling Device Descriptors Surber Sampler Artificial Substrate Hess Sampler Other: Habitat Sampled Riffle Shoreline Composite Project Name Hess Sampler Other: Hess Sampler Other: County BROWN Project Name UPPER EAST RIVER TWA 2017 Brand Total Sampled Riffle Shoreline Composite Proportionally-Sampled Habitat Littoral Zone Profundal Zone Wetland Total Sampling Time (min) Estimated Area Sampled (m²) Number of Samples in Composite Replicate No. Replicate No. Replicate No. Replicate No. Replicate No. Replicate No. Other: Shoreline Conductivity (umhos/cm) Transparency (cm) Norderate Fast Water Color
Sample and Site Descriptors Sample Collector (Last Name, First) ANDREW HUDAK UPPER EAST RIVER TWA 2017
Sample and Site Descriptors Sample Collector (Last Name, First) ANDREW HUDAK Sampling Device Deferame Kick Net Deferam
Sample Collector (Last Name, First) ANDREW HUDAK Sampling Device D-Frame Kick Net Surber Sampler Ponar Artificial Substrate Hess Sampler Other: Habitat Sampled Shoreline Composite Littoral Zone Total Sampling Time (min) Least Impacted Reference Control Site Water Temp. (C) D.O. (mg/l) Number of Samples in Conductivity (umhos/cm) Slow Water Color Project Name UPPER EAST RIVER TWA 2017 Eckman Pool Hess Sampler Other: Proportionally-Sampled Habitat Proportionally-Sampled Habitat Proportionally-Sampled Habitat Replicate No. Replicate No. Replicate No. Transparency (cm) Number of Samples in Composite Nother: Solve Moderate Slow Moderate Fest
ANDREW HUDAK Sampling Device D-Frame Kick Net
Sampling Device Deframe Kick Net Surber Sampler Eckman Ponar Artificial Substrate Hess Sampler Other: Habitat Sampled Riffle Run Pool Other Shoreline Composite Proportionally-Sampled Habitat Littoral Zone Profundal Zone Wetland Total Sampling Time (min) Estimated Area Sampled (m²) Number of Samples in Composite Reason For Sampling Least Impacted Reference Baseline Impact / Treatment Site Control Site Trend Other: Water Temp. (C) D.O. (mg/l) D.O. (%sat.) pH (su) Order: Steel Replicate No. Profundal Zone Water Color Estimated Stream Velocity (m/s) Fast
D-Frame Kick Net Surber Sampler Eckman Ponar Artificial Substrate Hess Sampler Other: Habitat Sampled Riffle Run Pool Other Shoreline Composite Proportionally-Sampled Habitat Littoral Zone Profundal Zone Wetland Total Sampling Time (min) Estimated Area Sampled (m²) Number of Samples in Composite Reason For Sampling Least Impacted Reference Baseline Impact / Treatment Site Control Site Trend Other: Water Temp. (C) D.O. (mg/l) D.O. (%sat.) pH (su) (Mater Temp. (C) D.O. (mg/l) D.O. (%sat.) PH (su) (Mater Color Estimated Stream Velocity (m/s) Slow Moderate Fast
Ponar
Habitat Sampled Riffle Shoreline Composite Proportionally-Sampled Habitat Littoral Zone Profundal Zone Wetland Total Sampling Time (min) Estimated Area Sampled (m²) Number of Samples in Composite Replicate No. Reason For Sampling Least Impacted Reference Control Site Trend Water Temp. (C) No. (mg/l) No. (%sat.) PH (su) Slow Moderate Fast
Riffle Shoreline Composite Proportionally-Sampled Habitat Littoral Zone Profundal Zone Wetland Total Sampling Time (min) Estimated Area Sampled (m²) Number of Samples in Composite Reason For Sampling Least Impacted Reference Baseline Impact / Treatment Site Control Site Trend Other: Special Right Proportionally-Sampled Habitat Water Temp. (C) D.O. (mg/l) D.O. (%sat.) pH (su) Conductivity (umhos/cm) Transparency (cm) 1
Riffle Shoreline Composite Proportionally-Sampled Habitat Littoral Zone Profundal Zone Wetland Total Sampling Time (min) Estimated Area Sampled (m²) Number of Samples in Composite Reason For Sampling Least Impacted Reference Baseline Impact / Treatment Site Control Site Trend Other: Special Right Proportionally-Sampled Habitat Water Temp. (C) D.O. (mg/l) D.O. (%sat.) pH (su) Conductivity (umhos/cm) Transparency (cm) 1
Other Shoreline Composite Proportionally-Sampled Habitat Littoral Zone Profundal Zone Wetland Total Sampling Time (min) Estimated Area Sampled (m²) Number of Samples in Composite Reason For Sampling Least Impacted Reference Baseline Impact / Treatment Site Control Site Trend Other: Special Rejuct Water Temp. (C) D.O. (mg/l) D.O. (%sat.) pH (su) Value Conductivity (umhos/cm) Transparency (cm) Value Color Estimated Stream Velocity (m/s) Slow Moderate Fast
Littoral Zone Profundal Zone Wetland Total Sampling Time (min) Estimated Area Sampled (m²) Number of Samples in Composite Reason For Sampling Least Impacted Reference Baseline Impact / Treatment Site Control Site Trend Other: Special Project Water Temp. (C) D.O. (mg/l) D.O. (%sat.) pH (su) Conductivity (umhos/cm) Transparency (cm) 1
Total Sampling Time (min) Estimated Area Sampled (m²) Number of Samples in Composite Reason For Sampling
Reason For Sampling Least Impacted Reference Control Site Water Temp. (C) No. (mg/l) Replicate No. 2 of 2 Impact / Treatment Site Other: 5 per al Project Conductivity (umhos/cm) Transparency (cm) 198 Water Color Estimated Stream Velocity (m/s) Slow Moderate
Reason For Sampling Least Impacted Reference Control Site Trend Water Temp. (C) No. (mg/l) 19.8 Replicate No. of
Least Impacted Reference Baseline Impact / Treatment Site Control Site Trend Other: Special Place Water Temp. (C) D.O. (mg/l) D.O. (%sat.) pH (su) Conductivity (umhos/cm) Transparency (cm) 1 7 9 8 9 7 9 8 7 7 9 9 9 9 9 9 9 9 9 9 9
Water Color Control Site Trend Other: Special Placet Conductivity (umhos/cm) 10.0. (mg/l) 9.6 Placet Conductivity (umhos/cm) 11.7 Conductivity (umhos/cm) 12.8 Slow Moderate Fast
Water Temp. (C) D.O. (mg/l) D.O. (%sat.) pH (su) Conductivity (umhos/cm) Transparency (cm) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Water Color Estimated Stream Velocity (m/s) Slow Moderate Fast
Water Color Estimated Stream Velocity (m/s) Slow Moderate Fast
Slow Moderate Fast
Slow Moderate Fast
Clear Turbid Stained (< 0.15 m/s) (0.15 m/s - 0.5 m/s) (> 0.5 m/s)
Measured Velocity circle units Average Stream Depth of reach (m) Average Stream Width of reach (m)
0.17 m/s or f/s
Composition of Substrate Sampled (Percent):
Boulders Rubble Gravel
Bedrock: (basketball or larger): (tennisball to basketball): (ladybug to tennisball):
Sand: Clay: 10 Silt/Muck: Overhanging Vegetation: 80
Aquatic Macrophytes: Leaf Snags: Coarse Woody Debris: Other ():
Embeddedness of Substrate at Sample Site (%) Canopy Cover at Sample Site (%) O